

PATENT CLAIMS:

1. Manufacture of an operating plant which permits generating electricity without
5 the emission of pollutant and nevertheless being mobile. This plant comprises a
container (1) which has a length of 2 meters up to 12 meters, a width of 1 meter up
to 3 meters and a height of 1 meter up to 3 meters. This container (1) consists of
steel sheet panels which are filled with an insulating material against heat and noise,
having a thickness of at least 5cm-15cm, the frame structure being of steel,
10 aluminium or light metal there being fitted at the bottom in each case at the corners
rubber buffers in order to absorb any vibrations. The drive unit (4) fitted in the
container (1) which is a combustion engine of conventional construction, having an
output of 100HP up to 20 000HP, such as a four stroke engine, a diesel engine or a
turbine (H.2.X turbine) has the object to drive the electricity generator (3) with an
15 output of 0,2 MW up to 10 MW by means of a drive shaft by way of the transmission
(5), the fuel required therefor being supplied from the tank (10) installed in the
container (1), this fuel tank (10) having a volume capacity of 10 up to 45 000 litres,
this fuel consists of water-methanol or water-ethanol and provides a pollution-free
combustion, in order to solve this objective without problems a control system (7) is
20 responsible therefor which also has the object to take care that the drive unit (4) runs
at the optimal rate of rotation and controls this and when required switches it on or
off so that the generator delivers the power requirements as demanded which in turn
are optimised by means of the tariff regulator (14). The generated electricity is
supplied by buried cable to the public grid or to the grid connecting point. The
25 exhaust gas heat exchanger (6) installed in the exhaust pipe (2) makes it possible to
utilise the exhaust heat generated for producing hot water or by way of novel
photovoltaics to provide refrigeration. The air supply and venting provide a
comfortable air temperature in the interior of the operating plant which can be
entered through a door (13). In order to be able to perform repair work the foremost
30 side wall can be lifted by a hydraulic device.

2. Manufacture of an operating plant according to claim 1, characterised in that the drive unit (4) is operated with conventional fuels such as diesel, gasoline, in which case the tank is set up outside the operating plant.

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3. Manufacture of an operating plant according to claim 1, characterised in that in the control system (7) further systems are installed such as GPS-GSM monitoring systems which have the object to control and maintain the plant and provide repairs, when required even by remote control, as well as a built-in tariff regulator (14) which controls the electricity supply factor and which communicates with the plant as a whole.

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4. Manufacture of an operating plant according to claim 1, characterised in that a plurality of containers (1) form a unit which due to the control system (7) the installed GPS-GSM communication system and the tariff regulator (14) provides a ring circuit and which provides mutual communication and thereby is able to supply large cities with electricity. Due to this communication it is possible to talk of a perfect power supply system which moreover is environmentally friendly.

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5. Manufacture of an operating plant according to claim 1, characterised in that the exterior walls are made of any type of metal, light metal, steel, steel sheeting, aluminium panels etc., and that inside thereof insulation is provided.

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6. Manufacture of an operating plant according to claim 1, characterised in that the frame of the said container (1) is made of plastics or synthetic resin, the exterior walls as well being produced from synthetic resin or plastics; at the bottom plate leaf springs or annular springs are mounted instead of rubber buffers.

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7. Manufacture of an operating plant according to claim 1, characterised in that the frame of this operating plant, the container (I) is composed of any kind of metal and that the electricity supply may proceed not only by an underground cable but also by any conventional overland line.

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8. Manufacture of an operating plant according to claim 1, characterised in that
5 the built-in tank (10) is composed of materials such as metal, chromium steel, stainless steel, glass, plastics, polyester, ceramics, this fuel tank (10) may also be installed outside of the container (1) in which case this tank may then have twice the volume capacity in terms of litres and the fuel pump is installed in this tank.
- 10 9. Manufacture of an operating plant according to claim 1, characterised in that instead of a generator (4) two generators (4) are installed in order to increase the power supply capacity.